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OM protein - protein search, using sw model

Run on: June 1, 2005, 23:31:40 ; Search time 43 Seconds
(without alignments)
611.081 Million cell updates/sec

Title: US-09-978-360A-437
Perfect score: 1831
Sequence: 1 MSGGRPSLCQFILLGTTSV.....PKKPCICROAIRTRVPLVNS 352

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/1/iaa/5A COMB.pcp.*
2: /cgn2_6/ptodata/1/iaa/5B COMB.pcp.*
3: /cgn2_6/ptodata/1/iaa/6A COMB.pcp.*
4: /cgn2_6/ptodata/1/iaa/6B COMB.pcp.*
5: /cgn2_6/ptodata/1/iaa/PCTUS COMB.pcp.*
6: /cgn2_6/ptodata/1/iaa/backfile1.pcp.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Match	Query Length	DB ID	Description
1	1831	100.0	352	4	US-09-599-360B-105
2	445	24.3	91	3	US-08-905-223-421
3	183	8.9	372	3	US-09-324-455-2
4	155.5	8.5	723	4	US-09-434-408-2
5	151	8.2	350	4	US-09-270-767-58582
6	151	8.2	559	4	US-09-270-767-43239
7	144.5	7.9	438	5	PCT-US95-05922A-2
8	144.5	7.9	618	3	US-08-569-749-2
9	144.5	7.9	618	3	US-09-069-023-29
10	144.5	7.9	618	4	US-09-689-366-2
11	144.5	7.9	618	5	PCT-US96-12860-2
12	138.5	7.6	618	2	US-08-511-485-8
13	138.5	7.6	618	3	US-09-212-971-8
14	138.5	7.6	618	3	US-08-800-929A-8
15	138.5	7.6	618	3	US-09-617-053A-8
16	138.5	7.6	618	4	US-09-201-936-8
17	138.5	7.6	618	4	US-09-011-356-8
18	138.5	7.6	618	4	US-09-672-717-223
19	138.5	7.6	618	4	US-09-201-932-8
20	137.5	7.5	604	2	US-08-511-485-6
21	137.5	7.5	604	3	US-09-212-971-6
22	137.5	7.5	604	3	US-08-800-929A-6
23	137.5	7.5	604	3	US-09-617-053A-6
24	137.5	7.5	604	4	US-09-201-936-6
25	137.5	7.5	604	4	US-09-011-356-6
26	137.5	7.5	604	4	US-09-672-717-221
27	137.5	7.5	604	4	US-09-201-932-6

28	136.5	7.5	602	4	US-09-201-936-40	Sequence 40, Appl
29	136.5	7.5	602	4	US-09-011-356-40	Sequence 40, Appl
30	136.5	7.5	602	4	US-09-672-717-227	Sequence 237, App
31	136.5	7.5	602	4	US-09-201-932-40	Sequence 40, Appl
32	132.5	7.2	612	3	US-08-569-749-14	Sequence 14, Appl
33	132.5	7.2	612	4	US-09-689-366-14	Sequence 14, Appl
34	132.5	7.2	612	5	PCT-US96-12860-14	Sequence 12, Appl
35	128.5	7.0	600	3	US-09-212-971-12	Sequence 12, Appl
36	128.5	7.0	600	3	US-08-800-929A-12	Sequence 12, Appl
37	128.5	7.0	600	3	US-09-617-053A-12	Sequence 12, Appl
38	128.5	7.0	612	3	US-09-212-971-14	Sequence 14, Appl
39	128.5	7.0	612	3	US-08-800-929A-14	Sequence 14, Appl
40	128.5	7.0	612	3	US-09-617-053A-14	Sequence 14, Appl
41	127.5	7.0	591	4	US-09-201-936-42	Sequence 42, Appl
42	127.5	7.0	591	4	US-09-011-356-42	Sequence 42, Appl
43	127.5	7.0	591	4	US-09-672-717-229	Sequence 229, App
44	127.5	7.0	591	4	US-09-201-932-42	Sequence 42, Appl
45	126.5	6.9	604	3	US-08-569-749-4	Sequence 4, Appl

ALIGNMENTS

RESULT 1
US-09-599-360B-105
; Sequence 105, Application US/09599360B
; Patent No. 6548633
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Bougueleret, L.
; APPLICANT: Jobert, S.
; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
; FILE REFERENCE: GENSET.050CP3
; CURRENT APPLICATION NUMBER: US/09/599,360B
; CURRENT FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: 60/113,686
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/141,032
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/469,099
; PRIOR FILING DATE: 1999-12-21
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: Patent.pm
; SEQ ID NO 105
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -23..-1
US-09-599-360B-105

Query Match 100.0%; Score 1831; DB 4; Length 352;
Best Local Similarity 100.0%; Pred. No. 2.2e-192;
Matches 352; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	MSGGRPSLCQFILLGTTSVVTAALYSVYRQKARVSOELKAKVHLGDLKSLSEAPG	60
Db	1	MSGGRPSLCQFILLGTTSVVTAALYSVYRQKARVSOELKAKVHLGDLKSLSEAPG	60
QY	61	KCPYAVIEGAVRSVKETLNSQFVENCCKGVIORLTQEHKMWNRTHLWDCSKIHOR	120
Db	61	KCPYAVIEGAVRSVKETLNSQFVENCCKGVIORLTQEHKMWNRTHLWDCSKIHOR	120
QY	121	TNTVPFDLPHEDGVDVAVRVLKPLDSVDLGLTVEYKFPHPISQFTDVIHYISGERPK	180
Db	121	TNTVPFDLPHEDGVDVAVRVLKPLDSVDLGLTVEYKFPHPISQFTDVIHYISGERPK	180
QY	181	GTQETEMLKVCATLTGVELVLDNNSVRLQPKQMGVYLLSQDFDSLQRESSVRLW	240
Db	181	GTQETEMLKVCATLTGVELVLDNNSVRLQPKQMGVYLLSQDFDSLQRESSVRLW	240
QY	241	KVLALVFGFATCATLFFILRKQYLRQLRKLKQMEFQEHQAQLLSRAKPEDRESLKS	300

Db 241 KVLALVFGFATCATLFFILRKQYLQQRERLRLKQMBEQHEAQLLSRAKPEDRESLKS 300
QY 301 ACVVCLSSFKSCVFLGCHVCSCTECYRALPEPKKCPICRQAITRVPLVNS 352
Db 301 ACVVCLSSFKSCVFLGCHVCSCTECYRALPEPKKCPICRQAITRVPLVNS 352

RESULT 2

US-08-905-223-421
; Sequence 421, Application US/08905223
; Patent No. 622029
; GENERAL INFORMATION:
; APPLICANT: Edwards, Jean-Baptiste D.
; APPLICANT: Duclert, Americ
; APPLICANT: Lacroix, Bruno
; TITLE OF INVENTION: 5' ESTs FOR SECRETED PROTEINS
; NUMBER OF SEQUENCES: 503
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson & Bear
; STREET: 501 West Broadway
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92101-3505
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: Win95
; SOFTWARE: Word
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/905,223
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Israelsen, Ned A.
; REGISTRATION NUMBER: 29,655
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 421:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 91 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
; ORIGINAL SOURCE:
; ORGANISM: Homo Sapiens
; TISSUE TYPE: Brain
; FEATURE:
; NAME/KEY: sig peptide
; LOCATION: -23--1
; IDENTIFICATION METHOD: Von Heijne matrix
; OTHER INFORMATION: score 4.4
; OTHER INFORMATION: seq QFILLGTTSVVTA/AL
US-08-905-223-421

Query Match 24.3%; Score 445; DB 3; Length 91;
Best Local Similarity 98.9%; Pred. No. 5.7e-41;
Matches 89; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 MESGGRPSLCQFILLGTTSVVTAALYSVYRQKARVSQLKGAKVHLGEDLKSILSEAPG 60
Db 1 MESGGRPSLCQFILLGTTSVVTAALYSVYRQKARVSQLKGAKVHLGEDLKSILSEAPG 60
QY 61 KCVPYAVIEGAVRSVKETLNSQFVENCXGV 90
Db 61 KCVPYAVIEGAVRSVKETLNSQFVENCXGV 90
RESULT 3
US-09-324-455-2

; Sequence 2, Application US/09324455
; Patent No. 6326481
; GENERAL INFORMATION:
; APPLICANT: Yowe, David
; TITLE OF INVENTION: NOVEL MOLECULES OF THE AIP-RELATED
; TITLE OF INVENTION: PROTEIN FAMILY AND USES THEREOF
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: FastSeq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/324,455
; FILING DATE: 02-JUN-1999
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/087,761
; FILING DATE: 02-JUN-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Meiklejohn, Ph.D., Anita L.
; REGISTRATION NUMBER: 35,283
; REFERENCE/DOCKET NUMBER: 07334/069001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/542-5070
; TELEFAX: 617/542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 372 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-324-455-2
Query Match 8.9%; Score 163; DB 3; Length 372;
Best Local Similarity 30.1%; Pred. No. 5.6e-09;
Matches 40; Conservative 29; Mismatches 48; Indels 16; Gaps 5;
QY 222 SSQDFDSLQQRSSVR-LWKVLALVF-GPATCATLFFILRKQYLQQRERLRLKQMOEEF 279
Db 254 SLSDLSLDDVEGMSVRLKEILARNFVNTSGCCKWELVEK-----VNRLYKEN 303
QY 280 QEHEAQLLSRAKPEDRESLKSACVCLSSPKSCVFLGCHVCSCTECYRALPEPKKCPIC 339
Db 304 EENQKSYGERLQLQDEED-DSLCLRCMDAVIDCVLLCGHMTCTCKGKRMSE---CPIC 359
QY 340 RQAITRVPLVNS 352
Db 360 RQIVVRAVHVFKS 372
RESULT 4
US-09-434-408-2
; Sequence 2, Application US/09434408
; Patent No. 6440697
; GENERAL INFORMATION:
; APPLICANT: Venezia, Domenick
; APPLICANT: Grossmann, Angelika
; TITLE OF INVENTION: RING FINGER PROTEIN ZAPOF3
; FILE REFERENCE: 98-41
; CURRENT APPLICATION NUMBER: US/09/434,408
; CURRENT FILING DATE: 1999-11-04
; EARLIER APPLICATION NUMBER: US 60/108,258
; EARLIER FILING DATE: 1998-11-12
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FastSeq for Windows Version 3.0

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; SEQ ID NO 2
; LENGTH: 723
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-434-408-2

Query Match
Best Local Similarity 8.5%; Score 155.5; DB 4; Length 723;
Matches 37; Conservative 16; Mismatches 38; Indels 17; Gaps 3;

QY 259 LKQYLR-OERLRKQMEEP-----QEHAQLSRKPEDRESLKSACVV 304
DB 618 LQHEILRRVQELDLAARIQELKPMGEVVTPTAPQEPESVRPSAPPAELVQASECVV 677

QY 305 CLSSPKSCVFLGCHVCSCTCYRALPEPKKPCICRAITRVIPLNS 352
DB 678 CLBERAQMIFNGHVCCQCCQCP-----RTPLCRQDIAQLRIYHS 722

RESULT 5
US-09-270-767-58582
; Sequence 58582, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 58582
; LENGTH: 350
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-58582

Query Match
Best Local Similarity 8.2%; Score 151; DB 4; Length 350;
Matches 34; Conservative 18; Mismatches 34; Indels 22; Gaps 3;

QY 264 LQQRERLRKQMEEPFQEH-----EAQLLSRAK-----PEDRESLKSACVV 304
DB 102 LKDLGLTVKQLKEVLMRLHVDYKGCCEKQELLDVSRWLKTRBPCPAVEKLATDELCKI 161

QY 305 CLSSPKSCVFLGCHVCSCTCYRALPEPKKPCICRAITRVIPLNS 352
DB 162 CMDAPIECVFLGCHMATCTSCGKVLNE---CPICRQYIVRVVRFRA 206

RESULT 6
US-09-270-767-43239
; Sequence 43239, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 43239
; LENGTH: 559
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-43239

Query Match
Best Local Similarity 8.2%; Score 151; DB 4; Length 559;
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Best Local Similarity 31.5%; Pred. No. 2.3e-07;
Matches 34; Conservative 18; Mismatches 34; Indels 22; Gaps 3;

QY 264 LQQRERLRKQMEEPFQEH-----EAQLLSRAK-----PEDRESLKSACVV 304
DB 311 LKDLGLTVKQLKEVLMRLHVDYKGCCEKQELLDVSRWLKTRBPCPAVEKLATDELCKI 370

QY 305 CLSSPKSCVFLGCHVCSCTCYRALPEPKKPCICRAITRVIPLNS 352
DB 371 CMDAPIECVFLGCHMATCTSCGKVLNE---CPICRQYIVRVVRFRA 415

RESULT 7
PCT-US95-05922A-2
; Sequence 2, Application PC/TUS9505922A
; GENERAL INFORMATION:
; APPLICANT: HE, ET AL.
; TITLE OF INVENTION: Human Inhibitor of Apoptosis Gene 1
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/05922A
; FILING DATE: 11 MAY 1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: FERRARO, GREGORY D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-292
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 438 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
PCT-US95-05922A-2

Query Match
Best Local Similarity 7.9%; Score 144.5; DB 5; Length 438;
Matches 68; Conservative 50; Mismatches 118; Indels 75; Gaps 13;

QY 82 QFVENCKGVIQRLTIQEHKVMNRTTHLWDCSKIIHQRTNTVPPDLVPHEDGVDAVVRV 141
DB 163 EFVDEIQGRYPHLL--EQLLSTSDTTGEENADPPIIH-----FGPGSSSEDVAVM 211

QY 142 LKPL--DSVDLGL-----ETVYEFKHPISIQSF---TDVIGHYISGERPKGIQE---TE 186
DB 212 NTPVVKSALEMGFNRLDKVTQVQSILTTGENYKTVNDIVSALLNAEDEKREEKEKQAE 271

QY 187 EMLKVGATLTGVGEL-----VLDN---NSVRLQPP---KQGYVYLSQD--PD 227
DB 272 EMASDDLIRKRNWALFQQITCVLPILDNLKANVINKQEHDIHKQTKIPLQARELID 331

QY 228 SLLQROESSVRLWKVLALVFGFATCATLFFILRKQYLRQE-----RLRLKQMOBEFOE 281
```

Db 332 TILVKGNAANAFKNCLEKIDSTLYKNLFVDKMKVYIPTEDVSGLSLEEQRLRQBE--- 388
QY 282 HEAQLLSRAKPEDRESLSKSCVCLSSFKSCVFLGCHVCSCTECYRALPEPKKPCICRQ 341
Db 389 -----RTCKVCMDKEVSVFIPCGHLVVCQEC---APSLRKCPICRG 427
QY 342 AITRVIPLVNS 352
Db 428 IIKGTVRTFLS 438

RESULT 8
US-08-569-749-2
; Sequence 2, Application US/08569749
; Patent No. 6187557
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Goeddel, David V
; TITLE OF INVENTION: INHIBITORS OF APOPTOSIS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE:
; APPLICATION NUMBER: US/08/569,749
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Brezner, David J.
; REGISTRATION NUMBER: 24,774
; REFERENCE/DOCKET NUMBER: A-62464/DJB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415)781-1989
; TELEFAX: (415)398-3249
; INFORMATION FOR SEQ ID NO. 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 618 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-569-749-2

Query Match 7.9%; Score 144.5; DB 3; Length 618;
Best Local Similarity 21.9%; Pred. No. 1.4e-06;
Matches 68; Conservative 50; Mismatches 118; Indels 75; Gaps 13;

QY 82 QFVENCXGVIQRLTQEHKQVWNRTHLWNCDSKIIHQRTNTVPFDLVPHEDGVDVAVRV 141
Db 343 EFVDEIQGRYPHLL--EQLLSTSDTTGEENADPPIIH-----FGPGESSSEDVAVM 391
QY 142 LKPL--DSVDLGL-----ETVYKHPHSIQSF---TDVIGHVISGERPKGIOE---TE 186
Db 392 NTPVKSALSEMGFNRDLVKQTVOSKILTTGENTKTVNDIVSALLNADEKREEKEKQAE 451
QY 187 EMLKVGATLTGVGEL-----VLDN-----NSVRLQPP---KQGMYYLSSOD-FD 227
Db 452 EMASDDLRLKRNMAFQQLTCLVLPILDNLKANVINKQEHDIKQTKIPLQARELID 511
QY 228 SLQRQESSVRLWKVLVFGFATCATLFLPKRKQYLQRE-----RLRKQMQEFOE 281
Db 512 TILVKGNAANAFKNCLEKIDSTLYKNLFVDKMKVYIPTEDVSGLSLEEQRLRQBE--- 568
QY 282 HEAQLLSRAKPEDRESLSKSCVCLSSFKSCVFLGCHVCSCTECYRALPEPKKPCICRQ 341
Db 569 -----RTCKVCMDKEVSVFIPCGHLVVCQEC---APSLRKCPICRG 607

QY 342 AITRVIPLVNS 352
Db 608 IIKGTVRTFLS 618

RESULT 10
US-09-689-366-2
; Sequence 2, Application US/09689366
; Patent No. 6821736
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Goeddel, David V
; TITLE OF INVENTION: INHIBITORS OF APOPTOSIS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: USA

Db 569 -----RTCKVCMDKEVSVFIPCGHLVVCQEC---APSLRKCPICRG 607
QY 342 AITRVIPLVNS 352
Db 608 IIKGTVRTFLS 618

RESULT 9
US-09-069-023-29
; Sequence 29, Application US/09069023A
; Patent No. 6348573
; GENERAL INFORMATION:
; APPLICANT: Nunez, Gabriel
; APPLICANT: Inohara, Naohiro
; APPLICANT: Koseki, Takeyoshi
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR IDENTIFYING APOPTOSIS
; TITLE OF INVENTION: SIGNALING PATHWAY INHIBITORS AND ACTIVATORS
; FILE REFERENCE: UM-03333
; CURRENT APPLICATION NUMBER: US/09/069,023A
; CURRENT FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 29
; LENGTH: 618
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-069-023-29

Query Match 7.9%; Score 144.5; DB 3; Length 618;
Best Local Similarity 21.9%; Pred. No. 1.4e-06;
Matches 68; Conservative 50; Mismatches 118; Indels 75; Gaps 13;

QY 82 QFVENCXGVIQRLTQEHKQVWNRTHLWNCDSKIIHQRTNTVPFDLVPHEDGVDVAVRV 141
Db 343 EFVDEIQGRYPHLL--EQLLSTSDTTGEENADPPIIH-----FGPGESSSEDVAVM 391
QY 142 LKPL--DSVDLGL-----ETVYKHPHSIQSF---TDVIGHVISGERPKGIOE---TE 186
Db 392 NTPVKSALSEMGFNRDLVKQTVOSKILTTGENTKTVNDIVSALLNADEKREEKEKQAE 451
QY 187 EMLKVGATLTGVGEL-----VLDN-----NSVRLQPP---KQGMYYLSSOD-FD 227
Db 452 EMASDDLRLKRNMAFQQLTCLVLPILDNLKANVINKQEHDIKQTKIPLQARELID 511
QY 228 SLQRQESSVRLWKVLVFGFATCATLFLPKRKQYLQRE-----RLRKQMQEFOE 281
Db 512 TILVKGNAANAFKNCLEKIDSTLYKNLFVDKMKVYIPTEDVSGLSLEEQRLRQBE--- 568
QY 282 HEAQLLSRAKPEDRESLSKSCVCLSSFKSCVFLGCHVCSCTECYRALPEPKKPCICRQ 341
Db 569 -----RTCKVCMDKEVSVFIPCGHLVVCQEC---APSLRKCPICRG 607

QY 342 AITRVIPLVNS 352
Db 608 IIKGTVRTFLS 618

RESULT 10
US-09-689-366-2
; Sequence 2, Application US/09689366
; Patent No. 6821736
; GENERAL INFORMATION:
; APPLICANT: Rothe, Mike
; APPLICANT: Goeddel, David V
; TITLE OF INVENTION: INHIBITORS OF APOPTOSIS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: USA

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; ZIP: 94111
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/689,366
; FILING DATE: 10-Dec-2000
; CLASSIFICATION: 514
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/569,749
; FILING DATE: 08-Dec-1995
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Brezner, David J.
; REGISTRATION NUMBER: 24,774
; REFERENCE/DOCKET NUMBER: A-62464/DJB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415)781-1989
; TELEFAX: (415)398-3249
;
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 618 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:

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US-09-689-366-2

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Query Match      7.9%; Score 144.5; DB 4; Length 618;
Best Local Similarity 21.9%; Pred. No. 1.4e-06;
Matches 68; Conservative 50; Mismatches 118; Indels 75; Gaps 13;

Qy 82 QVFNCKGVQIQLTQEHKVMWNRTHLWDCSKIIHQRTVTPDLPVPHEDGVDAVRV 141
Db 343 EFVDEIQRYPHLL--EQLLSTSDTTGEENADPPIIH-----FGGSSSDAVMM 391
Qy 142 LKPL--DSVDLGL-----ETVYKPHPSIOSF---TDVIGHYISGERPKGIOE---TE 186
Db 392 NTPVVKSALEGNFNRDLVKQTVQSKILTTGENYKTVNDIVSALLNAEKEEKEKQAE 451
Qy 187 EMLKVGATLTGVGEL-----VLDN-----NSVRLQPP---KQGMYYLSSQD--FD 227
Db 452 EMASDDLSLIRKNRMALFQQLTCLVPLDNLKANVINKEHDIKQKQIPLQARELID 511
Qy 228 SLLQROESSVRLWKVLALVFGFATCATLFFILRKQYLQROE-----RLRLKQMOEEFOE 281
Db 512 TILVKGNAANIFKNCLKEIDSTLYKNLFVDKNMKYIPTEDVSGLSLEEQRLRLOEE--- 568
Qy 282 HEAQLSRAKPEDRESLSKACVCLSPKSCVFLCEGHVCSTECYRALPEPKKPCICRQ 341
Db 569 -----RTCKVCMDEKSVVVFIPCGHLVVCQEC---APSLRKPCICRG 607
Qy 342 AITRVIPLVNS 352
Db 608 IIKGTVRTFLS 618

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RESULT 11

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PCT-US96-12860-2
; Sequence 2, Application PC/TUS9612860
; GENERAL INFORMATION:
; APPLICANT: TULARIK, INC.
; TITLE OF INVENTION: INHIBITORS OF APOPTOSIS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111

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;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/12860
; FILING DATE: 06 AUG 1996
; CLASSIFICATION:
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: U.S. Serial Nos. 08/512,946 & 08/569,749
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Brezner, David J.
; REGISTRATION NUMBER: 24,774
; REFERENCE/DOCKET NUMBER: A-62464/DJB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415)781-1989
; TELEFAX: (415)398-3249
;
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 618 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US96-12860-2

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Query Match      7.9%; Score 144.5; DB 5; Length 618;
Best Local Similarity 21.9%; Pred. No. 1.4e-06;
Matches 68; Conservative 50; Mismatches 118; Indels 75; Gaps 13;

Qy 82 QVFNCKGVQIQLTQEHKVMWNRTHLWDCSKIIHQRTVTPDLPVPHEDGVDAVRV 141
Db 343 EFVDEIQRYPHLL--EQLLSTSDTTGEENADPPIIH-----FGGSSSDAVMM 391
Qy 142 LKPL--DSVDLGL-----ETVYKPHPSIOSF---TDVIGHYISGERPKGIOE---TE 186
Db 392 NTPVVKSALEGNFNRDLVKQTVQSKILTTGENYKTVNDIVSALLNAEKEEKEKQAE 451
Qy 187 EMLKVGATLTGVGEL-----VLDN-----NSVRLQPP---KQGMYYLSSQD--FD 227
Db 452 EMASDDLSLIRKNRMALFQQLTCLVPLDNLKANVINKEHDIKQKQIPLQARELID 511
Qy 228 SLLQROESSVRLWKVLALVFGFATCATLFFILRKQYLQROE-----RLRLKQMOEEFOE 281
Db 512 TILVKGNAANIFKNCLKEIDSTLYKNLFVDKNMKYIPTEDVSGLSLEEQRLRLOEE--- 568
Qy 282 HEAQLSRAKPEDRESLSKACVCLSPKSCVFLCEGHVCSTECYRALPEPKKPCICRQ 341
Db 569 -----RTCKVCMDEKSVVVFIPCGHLVVCQEC---APSLRKPCICRG 607
Qy 342 AITRVIPLVNS 352
Db 608 IIKGTVRTFLS 618

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RESULT 12

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US-08-511-485-8
; Sequence 8, Application US/08511485
; Patent No. 5919912
; GENERAL INFORMATION:
; APPLICANT: Korneluk, Robert G.
; APPLICANT: Mackenzie, Alexander E.
; APPLICANT: Baird, Stephen
; TITLE OF INVENTION: MAMMALIAN IAP GENE FAMILY, PRIMERS,
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA

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; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/511,485
; FILING DATE: 04-AUG-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Clark, Paul T.
; REGISTRATION NUMBER: 30,152
; REFERENCE/DOCKET NUMBER: 07540/002001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/542-5070
; TELEFAX: 617/542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 618 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: both
; MOLECULE TYPE: protein
; US-08-511-485-8

Query Match 7.6%; Score 138.5; DB 2; Length 618;
Best Local Similarity 21.5%; Pred. No. 6.4e-06;
Matches 67; Conservative 50; Mismatches 119; Indels 75; Gaps 13;

QY 82 QFVENCKVQIRLTQEHKMWNRTHLWDCSKLIHQRTNTVPFLVPHEDGVDVAVRV 141
Db 343 EFVDEIQGRYPHLL--EQLLSTDTTGEENADPPIIH-----FGPGSSSEDAVMM 391
QY 142 LKPL--DSVDLGL-----ETVVEKHPHSIQSF---TDVIGHYISGERPKGIOE---TE 186
Db 392 NTPVKSALMGFNRLDVKTIVLSKLTGTGENTVNDIVSALLNADEKREKEKQAE 451
QY 187 EMLKVGATLTGVGEL-----VLDN-----NSVRLQPP---KQGMQYVILSSOD-FD 227
Db 452 EMASDDLRLKRNRMALFQQLTCVLPILDNLKANVINKQEHDIIRKQTIPLQARELID 511
QY 228 SLLQROESSVRLWKVLALVFGFATCATLFFILRKQYLQROE-----RLRLKMQQEEFOE 281
Db 512 TIWVGNAANAIFKNCLEIDSTLYKNLFVDKMKKIPTEDVSGLSLEEQRLRLQEE--- 568
QY 282 HEAQLSRAPKPEDRESLSKACVCLSSFKSCVFLGCHVCSCTECYRALPEPKKPCICRQ 341
Db 569 -----RTCKVCMDEKSVVFIPIGHLVVQCEC---APSLRKPCICRG 607
QY 342 AITRVIPLVNS 352
Db 608 IIKGTVRTFLS 618

RESULT 13
US-09-212-971-8
; Sequence 8, Application US/09212971B
; Patent No. 6107041
; GENERAL INFORMATION:
; APPLICANT: Korneluk, Robert G
; APPLICANT: Mackenzie, Alexander E
; APPLICANT: Liston, Peter
; APPLICANT: Baird, Stephen
; APPLICANT: Tsang, Benjamin K
; APPLICANT: Pratt, Christine
; TITLE OF INVENTION: DETECTION AND MODULATION OF IAPS AND
; TITLE OF INVENTION: NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
; FILE REFERENCE: 07891/009002
; CURRENT APPLICATION NUMBER: US/09/212,971B

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; CURRENT FILING DATE: 1998-12-16
; EARLIER APPLICATION NUMBER: 60/017,354
; EARLIER FILING DATE: 1996-04-26
; EARLIER APPLICATION NUMBER: 60/030,590
; EARLIER FILING DATE: 1996-11-14
; EARLIER APPLICATION NUMBER: 08/800,929
; EARLIER FILING DATE: 1997-02-13
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 618
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-212-971-8

Query Match 7.6%; Score 138.5; DB 3; Length 618;
Best Local Similarity 21.5%; Pred. No. 6.4e-06;
Matches 67; Conservative 50; Mismatches 119; Indels 75; Gaps 13;

QY 82 QFVENCKVQIRLTQEHKMWNRTHLWDCSKLIHQRTNTVPFLVPHEDGVDVAVRV 141
Db 343 EFVDEIQGRYPHLL--EQLLSTDTTGEENADPPIIH-----FGPGSSSEDAVMM 391
QY 142 LKPL--DSVDLGL-----ETVVEKHPHSIQSF---TDVIGHYISGERPKGIOE---TE 186
Db 392 NTPVKSALMGFNRLDVKTIVLSKLTGTGENTVNDIVSALLNADEKREKEKQAE 451
QY 187 EMLKVGATLTGVGEL-----VLDN-----NSVRLQPP---KQGMQYVILSSOD-FD 227
Db 452 EMASDDLRLKRNRMALFQQLTCVLPILDNLKANVINKQEHDIIRKQTIPLQARELID 511
QY 228 SLLQROESSVRLWKVLALVFGFATCATLFFILRKQYLQROE-----RLRLKMQQEEFOE 281
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QY 282 HEAQLSRAPKPEDRESLSKACVCLSSFKSCVFLGCHVCSCTECYRALPEPKKPCICRQ 341
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QY 342 AITRVIPLVNS 352
Db 608 IIKGTVRTFLS 618

RESULT 14
US-08-800-929A-8
; Sequence 8, Application US/08800929A
; Patent No. 6133437
; GENERAL INFORMATION:
; APPLICANT: Korneluk, Robert G
; APPLICANT: Mackenzie, Alexander E
; APPLICANT: Liston, Peter
; APPLICANT: Baird, Stephen
; APPLICANT: Tsang, Benjamin K
; APPLICANT: Pratt, Christine
; TITLE OF INVENTION: DETECTION AND MODULATION OF
; TITLE OF INVENTION: IAPS AND NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Clark & Elbing LLP
; STREET: 176 Federal Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/800,929A

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; FILING DATE: 13-FEB-1997
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/030,590
; FILING DATE: 14-NOV-1996
; APPLICATION NUMBER: 60/017,354
; FILING DATE: 28-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Bieker-Brady, Kristina
; REGISTRATION NUMBER:
; REFERENCE/DOCKET NUMBER: 07891/009001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-428-0200
; TELEFAX: 617-428-7045
; TELEX:
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 618 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-800-929A-8

Query Match 7.6%; Score 138.5; DB 3; Length 618;
Best Local Similarity 21.5%; Pred. No. 6.4e-06;
Matches 67; Conservative 50; Mismatches 119; Indels 75; Gaps 13;

QY 82 QFVENCCKGVIOQLTQEHKHMVNRTHLWDCSKIIHQTNTVPFDLVPHEDGVDVAVRV 141
Db 343 EFVDSIQGRYPHLL--EQLLSTDTTGENADPPIH-----FGGESSSEDVAVMM 391
QY 142 LKPL--DSVDLGL-----ETVYKFPHSIQSF---TDVIGHVISGERPKGIOE---TE 186
Db 392 NTPVVKSALEMGNFNRDLVKQTVLSKILTTGENYKTVNDIVSALLNAEDKREEEKKQAE 451
QY 187 EMLKVGATLTGVGEL-----VLDN-----NSVRLQPP---KQGMQYVLSQD-FD 227
Db 452 ENASDDLILIRKNRMALFQQLTCVLPILDNLKANVINKQEHDIKQKTQIPLQARELID 511
QY 228 SLLQROESSVRLWKVLALVFGFATCATLFFILRKQYLOQE-----RLRLKQMOEEFQE 281
Db 512 TIWVGNAANIFKNCLKEIDSTLYKNLFVDKNMKYIPTEDVSGLSLEQLRLQOE--- 568
QY 282 HEAQLLSRAKPEDRESLSKACVVCVCLSSFKSCVFLGCHVCSCTECVRLPBPCKPCICRQ 341
Db 569 -----RTCKVCMDEKSVSVVFIPEGHLVVCQEC---APSLRKCPICRG 607
QY 342 AITRVIPLVNS 352
Db 608 IIKGTVRTFLS 618

RESULT 15
US-09-617-053A-8
; Sequence 8, Application US/09617053A
; Patent No. 6300492
; GENERAL INFORMATION:
; APPLICANT: Korneluk, Robert G
; APPLICANT: Mackenzie, Alexander E
; APPLICANT: Liston, Peter
; APPLICANT: Baird, Stephen
; APPLICANT: Tsang, Benjamin K
; APPLICANT: Pratt, Christine
; TITLE OF INVENTION: DETECTION AND MODULATION OF IAPS AND
; TITLE OF INVENTION: NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
; FILE OF INVENTION: DISEASE
; FILE REFERENCE: 07891/009003
; CURRENT FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 08/800,929
; PRIOR FILING DATE: 1997-02-13
; NUMBER OF SEQ ID NOS: 17

; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 618
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-617-053A-8

Query Match 7.6%; Score 138.5; DB 3; Length 618;
Best Local Similarity 21.5%; Pred. No. 6.4e-06;
Matches 67; Conservative 50; Mismatches 119; Indels 75; Gaps 13;

QY 82 QFVENCCKGVIOQLTQEHKHMVNRTHLWDCSKIIHQTNTVPFDLVPHEDGVDVAVRV 141
Db 343 EFVDSIQGRYPHLL--EQLLSTDTTGENADPPIH-----FGGESSSEDVAVMM 391
QY 142 LKPL--DSVDLGL-----ETVYKFPHSIQSF---TDVIGHVISGERPKGIOE---TE 186
Db 392 NTPVVKSALEMGNFNRDLVKQTVLSKILTTGENYKTVNDIVSALLNAEDKREEEKKQAE 451
QY 187 EMLKVGATLTGVGEL-----VLDN-----NSVRLQPP---KQGMQYVLSQD-FD 227
Db 452 ENASDDLILIRKNRMALFQQLTCVLPILDNLKANVINKQEHDIKQKTQIPLQARELID 511
QY 228 SLLQROESSVRLWKVLALVFGFATCATLFFILRKQYLOQE-----RLRLKQMOEEFQE 281
Db 512 TIWVGNAANIFKNCLKEIDSTLYKNLFVDKNMKYIPTEDVSGLSLEQLRLQOE--- 568
QY 282 HEAQLLSRAKPEDRESLSKACVVCVCLSSFKSCVFLGCHVCSCTECVRLPBPCKPCICRQ 341
Db 569 -----RTCKVCMDEKSVSVVFIPEGHLVVCQEC---APSLRKCPICRG 607
QY 342 AITRVIPLVNS 352
Db 608 IIKGTVRTFLS 618

Search completed: June 1, 2005, 23:41:04
Job time : 45 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: June 1, 2005, 23:34:05 ; Search time 141 Seconds
(without alignments)
862.974 Million cell updates/sec

Title: US-09-978-360A-437
Perfect score: 1831
Sequence: 1 MESGGRPSLCOPILGTTTSV.....PKKPCICRAITRVIPLYS 352

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1465611 seqs, 345679903 residues

Total number of hits satisfying chosen parameters: 1465611

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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2: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*

3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*

4: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*

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6: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*

7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*

8: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*

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10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep.*

11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*

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18: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep.*

19: /cgn2_6/ptodata/1/pubpaa/US12_NEW_PUB.pep.*

20: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1831	100.0	352	11 US-09-978-360A-437	Sequence 437, App
2	1831	100.0	352	14 US-10-024-298A-75	Sequence 75, Appl
3	1831	100.0	352	14 US-10-042-211A-75	Sequence 75, Appl
4	1831	100.0	352	15 US-10-315-664-105	Sequence 105, App
5	1831	100.0	352	15 US-10-221-625-25	Sequence 25, Appl
6	1831	100.0	352	15 US-10-169-395-92	Sequence 92, Appl
7	1831	100.0	352	15 US-10-617-217A-75	Sequence 75, Appl
8	1826	99.7	392	9 US-09-764-864-801	Sequence 801, App
9	1824	99.6	352	14 US-10-024-298A-73	Sequence 73, Appl
10	1824	99.6	352	14 US-10-042-211A-73	Sequence 73, Appl
11	1824	99.6	352	15 US-10-617-217A-73	Sequence 73, Appl
12	901	49.2	174	9 US-09-764-864-1262	Sequence 1262, Ap
13	854	46.6	165	15 US-10-264-237-2680	Sequence 2680, Ap

ALIGNMENTS

RESULT 1

US-09-978-360A-437

Sequence 437, Application US/09978360A

Publication No. US20040110939A1

GENERAL INFORMATION:

APPLICANT: Edwards, Jean-Baptiste Dumas Milne

APPLICANT: Duclert, Aymeric

APPLICANT: Bougueret, Lydie

APPLICANT: Jobert, Severin

APPLICANT: Clusel, Catherine

TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides

FILE REFERENCE: 56.USA.CIP

CURRENT APPLICATION NUMBER: US/09/978,360A

CURRENT FILING DATE: 2001-10-15

PRIOR APPLICATION NUMBER: US 60/066,677

PRIOR FILING DATE: 1997-11-13

PRIOR APPLICATION NUMBER: US 60/069,957

PRIOR FILING DATE: 1997-12-17

PRIOR APPLICATION NUMBER: US 60/074,121

PRIOR FILING DATE: 1998-02-09

PRIOR APPLICATION NUMBER: US 60/081,563

PRIOR FILING DATE: 1998-04-13

PRIOR APPLICATION NUMBER: US 60/096,116

PRIOR FILING DATE: 1998-08-10

PRIOR APPLICATION NUMBER: US 60/099,273

PRIOR FILING DATE: -09-04

PRIOR APPLICATION NUMBER: US 09/191,997

PRIOR FILING DATE: 1998-11-13

PRIOR APPLICATION NUMBER: US 09/215,435

PRIOR FILING DATE: 1998-12-17

PRIOR APPLICATION NUMBER: PCT/IB98/02122

PRIOR FILING DATE: 1998-12-17

PRIOR APPLICATION NUMBER: US 09/247,155

PRIOR FILING DATE: 1999-02-09

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 810

Sequence 158556, A

Sequence 47706, A

Sequence 224671, A

Sequence 111394, A

Sequence 138606, A

Sequence 83, Appl

Sequence 65305, A

Sequence 38446, A

Sequence 14, Appl

Sequence 114, App

Sequence 2475, Ap

Sequence 2425, Ap

Sequence 2572, Ap

Sequence 4608, Ap

Sequence 89, Appl

Sequence 2, Appl

Sequence 338, App

Sequence 200, App

Sequence 2, Appl

Sequence 4, Appl

Sequence 3, Appl

Sequence 63, Appl

Sequence 78, Appl

Sequence 2, Appl

Sequence 63577, A

Sequence 90, Appl

Sequence 3425, Ap

Sequence 17, Appl

Sequence 2, Appl

Sequence 242296, A

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; SOFTWARE: Patent.pm
; SEQ ID NO 437
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -23..-1
; US-09-978-360A-437

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Query Match      100.0%; Score 1831; DB 11; Length 352;
Best Local Similarity 100.0%; Pred. No. 8.4e-163;
Matches 352; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MESGGRPSLCQFILLGTTTSVTTAALYSVYRQKARVSQELKGAKKVLHGEDLKSILSEAPG 60
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Db 1 MESGGRPSLCQFILLGTTTSVTTAALYSVYRQKARVSQELKGAKKVLHGEDLKSILSEAPG 60
    |||

Qy 61 KCPYAVIEGAVRSVKETLNSQFVENCCKGVIQRLTLQEHKQVWNRTHLWDCSKIIHOR 120
    |||
Db 61 KCPYAVIEGAVRSVKETLNSQFVENCCKGVIQRLTLQEHKQVWNRTHLWDCSKIIHOR 120
    |||

Qy 121 TMTVPFDLVPHEDGVAVRVLKPLDSVDLGLTETVYKFKHPSIQSFDTDVIGHYISGERPK 180
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Db 121 TMTVPFDLVPHEDGVAVRVLKPLDSVDLGLTETVYKFKHPSIQSFDTDVIGHYISGERPK 180
    |||

Qy 181 GIQETEMLVKVGATLTGVLGELVDNNSVRLQPPKQGMQYVLLSSQDFDLSLLQRESSVRLW 240
    |||
Db 181 GIQETEMLVKVGATLTGVLGELVDNNSVRLQPPKQGMQYVLLSSQDFDLSLLQRESSVRLW 240
    |||

Qy 241 KVALVFGFATCATLFFILRKQYLQERLRLKQMOEFOEHEAQLLSRAKPEDRESLKS 300
    |||
Db 241 KVALVFGFATCATLFFILRKQYLQERLRLKQMOEFOEHEAQLLSRAKPEDRESLKS 300
    |||

Qy 301 ACVCLSSFKSCVFLGCHVCSCTECYRALPEPKKPCICRQAITRVIPLNS 352
    |||
Db 301 ACVCLSSFKSCVFLGCHVCSCTECYRALPEPKKPCICRQAITRVIPLNS 352
    |||

```

RESULT 2

```

US-10-024-298A-75
; Sequence 75, Application US/10024298A
; Publication No. US20030143540A1
; GENERAL INFORMATION:
; APPLICANT: ASAH KASEI KABUSHIKI KAISHA
; APPLICANT: AKIO MATSUDA
; APPLICANT: Goichi HONDA
; APPLICANT: Shuji MURAMATSU
; APPLICANT: Yukiko NAGANO
; TITLE OF INVENTION: NF-K B Activating Gene
; FILE REFERENCE: 1254-0191P
; CURRENT APPLICATION NUMBER: US/10/024,298A
; CURRENT FILING DATE: 2003-04-08
; PRIOR APPLICATION NUMBER: 60/314,385
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/278,641
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: 60/258,315
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: JP254018/2001
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: JP0088912/2001
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: JP402288/2000
; PRIOR FILING DATE: 2000-12-28
; NUMBER OF SEQ ID NOS: 182
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 75
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-024-298A-75

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Query Match      100.0%; Score 1831; DB 14; Length 352;
Best Local Similarity 100.0%; Pred. No. 8.4e-163;
Matches 352; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MESGGRPSLCQFILLGTTTSVTTAALYSVYRQKARVSQELKGAKKVLHGEDLKSILSEAPG 60
    |||
Db 1 MESGGRPSLCQFILLGTTTSVTTAALYSVYRQKARVSQELKGAKKVLHGEDLKSILSEAPG 60
    |||

Qy 61 KCPYAVIEGAVRSVKETLNSQFVENCCKGVIQRLTLQEHKQVWNRTHLWDCSKIIHOR 120
    |||
Db 61 KCPYAVIEGAVRSVKETLNSQFVENCCKGVIQRLTLQEHKQVWNRTHLWDCSKIIHOR 120
    |||

Qy 121 TMTVPFDLVPHEDGVAVRVLKPLDSVDLGLTETVYKFKHPSIQSFDTDVIGHYISGERPK 180
    |||
Db 121 TMTVPFDLVPHEDGVAVRVLKPLDSVDLGLTETVYKFKHPSIQSFDTDVIGHYISGERPK 180
    |||

Qy 181 GIQETEMLVKVGATLTGVLGELVDNNSVRLQPPKQGMQYVLLSSQDFDLSLLQRESSVRLW 240
    |||
Db 181 GIQETEMLVKVGATLTGVLGELVDNNSVRLQPPKQGMQYVLLSSQDFDLSLLQRESSVRLW 240
    |||

Qy 241 KVALVFGFATCATLFFILRKQYLQERLRLKQMOEFOEHEAQLLSRAKPEDRESLKS 300
    |||
Db 241 KVALVFGFATCATLFFILRKQYLQERLRLKQMOEFOEHEAQLLSRAKPEDRESLKS 300
    |||

Qy 301 ACVCLSSFKSCVFLGCHVCSCTECYRALPEPKKPCICRQAITRVIPLNS 352
    |||
Db 301 ACVCLSSFKSCVFLGCHVCSCTECYRALPEPKKPCICRQAITRVIPLNS 352
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RESULT 3

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US-10-042-211A-75
; Sequence 75, Application US/10042211A
; Publication No. US20030170719A1
; GENERAL INFORMATION:
; APPLICANT: MATSUDA, Akio et al.
; TITLE OF INVENTION: NFkB Activating Gene
; FILE REFERENCE: 1254-0192P
; CURRENT APPLICATION NUMBER: US/10/042,211A
; CURRENT FILING DATE: 2002-01-11
; PRIOR APPLICATION NUMBER: JP 2000-402288
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: JP 2001-088912
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: JP 2001-254018
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/258,315
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: US 60/278,640
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 60/314,385
; PRIOR FILING DATE: 2001-08-24
; NUMBER OF SEQ ID NOS: 182
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 75
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-042-211A-75

Query Match      100.0%; Score 1831; DB 14; Length 352;
Best Local Similarity 100.0%; Pred. No. 8.4e-163;
Matches 352; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MESGGRPSLCQFILLGTTTSVTTAALYSVYRQKARVSQELKGAKKVLHGEDLKSILSEAPG 60
    |||
Db 1 MESGGRPSLCQFILLGTTTSVTTAALYSVYRQKARVSQELKGAKKVLHGEDLKSILSEAPG 60
    |||

Qy 61 KCPYAVIEGAVRSVKETLNSQFVENCCKGVIQRLTLQEHKQVWNRTHLWDCSKIIHOR 120
    |||
Db 61 KCPYAVIEGAVRSVKETLNSQFVENCCKGVIQRLTLQEHKQVWNRTHLWDCSKIIHOR 120
    |||

Qy 121 TMTVPFDLVPHEDGVAVRVLKPLDSVDLGLTETVYKFKHPSIQSFDTDVIGHYISGERPK 180
    |||

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Db 121 TMTVPDLVPHEDGVDVAVRVLKPLDSVDLGLTETVYKFPHPISQFTDVIHGYISGERPK 180
QY 181 GIQTEEMLKVGATLTGVLGELVLDNNSVRLQPPKQGMQYLLSQDFDSLQRESSVRLW 240
Db 181 GIQTEEMLKVGATLTGVLGELVLDNNSVRLQPPKQGMQYLLSQDFDSLQRESSVRLW 240
QY 241 KVALVFGFATCATLFFILRKQYLQRELRRLKQOEFEQHEAQLLSRAKPEDRESLKS 300
Db 241 KVALVFGFATCATLFFILRKQYLQRELRRLKQOEFEQHEAQLLSRAKPEDRESLKS 300
QY 301 ACVCLSSFKSCVFLGCHVCSCTCYRALPEPKKPCICRQAITRVIPLYS 352
Db 301 ACVCLSSFKSCVFLGCHVCSCTCYRALPEPKKPCICRQAITRVIPLYS 352

RESULT 4
US-10-315-664-105
; Sequence 105, Application US/10315664
; Publication No. US2003020377A1
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Bougueleret, L.
; APPLICANT: Jobert, S.
; TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal
; FILE REFERENCE: GENSET.050CP3
; CURRENT APPLICATION NUMBER: US/10/315,664
; CURRENT FILING DATE: 2002-12-09
; PRIOR APPLICATION NUMBER: US/09/599,360
; PRIOR FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: 60/113,686
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/141,032
; PRIOR FILING DATE: 1999-06-25
; PRIOR APPLICATION NUMBER: 09/469,099
; PRIOR FILING DATE: 1999-12-21
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: Patent.pm
; SEQ ID NO 105
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo Sapiens
; NAME/KEY: SIGNAL
; LOCATION: -23...-1
US-10-315-664-105

Query Match 100.0%; Score 1831; DB 15; Length 352;
Best Local Similarity 100.0%; Pred. No. 8.4e-163;
Matches 352; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MESGGRPSLCQFILLGTTSVVTAALYSVYRQKARVSQELKGAKKVLHGDLKSLSEAPG 60
Db 1 MESGGRPSLCQFILLGTTSVVTAALYSVYRQKARVSQELKGAKKVLHGDLKSLSEAPG 60
QY 61 KCPYAVIEGAVRSVKETLNSQFVENCCKGVIQRLTLQEHKVMWNRTHLWDCSKIIHOR 120
Db 61 KCPYAVIEGAVRSVKETLNSQFVENCCKGVIQRLTLQEHKVMWNRTHLWDCSKIIHOR 120
QY 121 TMTVPDLVPHEDGVDVAVRVLKPLDSVDLGLTETVYKFPHPISQFTDVIHGYISGERPK 180
Db 121 TMTVPDLVPHEDGVDVAVRVLKPLDSVDLGLTETVYKFPHPISQFTDVIHGYISGERPK 180
QY 181 GIQTEEMLKVGATLTGVLGELVLDNNSVRLQPPKQGMQYLLSQDFDSLQRESSVRLW 240
Db 181 GIQTEEMLKVGATLTGVLGELVLDNNSVRLQPPKQGMQYLLSQDFDSLQRESSVRLW 240
QY 241 KVALVFGFATCATLFFILRKQYLQRELRRLKQOEFEQHEAQLLSRAKPEDRESLKS 300
Db 241 KVALVFGFATCATLFFILRKQYLQRELRRLKQOEFEQHEAQLLSRAKPEDRESLKS 300
QY 301 ACVCLSSFKSCVFLGCHVCSCTCYRALPEPKKPCICRQAITRVIPLYS 352
Db 301 ACVCLSSFKSCVFLGCHVCSCTCYRALPEPKKPCICRQAITRVIPLYS 352

Db 301 ACVCLSSFKSCVFLGCHVCSCTCYRALPEPKKPCICRQAITRVIPLYS 352

RESULT 5
US-10-221-625-25
; Sequence 25, Application US/10221625
; Publication No. US20040033942A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.
; APPLICANT: HILLMAN, Jennifer L.
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: YUE, Henry
; APPLICANT: LAL, Preeti
; APPLICANT: LU, Dyung Aina M.
; APPLICANT: PATTERSON, Chandra
; APPLICANT: AZIMZAI, Valda
; APPLICANT: BANDMAN, Olga
; APPLICANT: TANG, Y. Tom
; APPLICANT: MATHUR, Preete
; APPLICANT: SHAH, Purvi
; APPLICANT: AU-YOUNG, Janice
; APPLICANT: REDDY, Roopa
; TITLE OF INVENTION: TRANSCRIPTION FACTORS
; FILE REFERENCE: PF-0761 PCT
; CURRENT APPLICATION NUMBER: US/10/221,625
; CURRENT FILING DATE: 2001-03-13
; NUMBER OF SEQ ID NOS: 214
; SOFTWARE: PERL Program
; SEQ ID NO 25
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. US20040033942A1 1383473CD1
US-10-221-625-25

Query Match 100.0%; Score 1831; DB 15; Length 352;
Best Local Similarity 100.0%; Pred. No. 8.4e-163;
Matches 352; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MESGGRPSLCQFILLGTTSVVTAALYSVYRQKARVSQELKGAKKVLHGDLKSLSEAPG 60
Db 1 MESGGRPSLCQFILLGTTSVVTAALYSVYRQKARVSQELKGAKKVLHGDLKSLSEAPG 60
QY 61 KCPYAVIEGAVRSVKETLNSQFVENCCKGVIQRLTLQEHKVMWNRTHLWDCSKIIHOR 120
Db 61 KCPYAVIEGAVRSVKETLNSQFVENCCKGVIQRLTLQEHKVMWNRTHLWDCSKIIHOR 120
QY 121 TMTVPDLVPHEDGVDVAVRVLKPLDSVDLGLTETVYKFPHPISQFTDVIHGYISGERPK 180
Db 121 TMTVPDLVPHEDGVDVAVRVLKPLDSVDLGLTETVYKFPHPISQFTDVIHGYISGERPK 180
QY 181 GIQTEEMLKVGATLTGVLGELVLDNNSVRLQPPKQGMQYLLSQDFDSLQRESSVRLW 240
Db 181 GIQTEEMLKVGATLTGVLGELVLDNNSVRLQPPKQGMQYLLSQDFDSLQRESSVRLW 240
QY 241 KVALVFGFATCATLFFILRKQYLQRELRRLKQOEFEQHEAQLLSRAKPEDRESLKS 300
Db 241 KVALVFGFATCATLFFILRKQYLQRELRRLKQOEFEQHEAQLLSRAKPEDRESLKS 300
QY 301 ACVCLSSFKSCVFLGCHVCSCTCYRALPEPKKPCICRQAITRVIPLYS 352
Db 301 ACVCLSSFKSCVFLGCHVCSCTCYRALPEPKKPCICRQAITRVIPLYS 352

RESULT 6
US-10-169-395-92
; Sequence 92, Application US/10169395
; Publication No. US20040034192A1
; GENERAL INFORMATION:
; APPLICANT: KATO, Seishi
; APPLICANT: KIMURA, Tomoko

```
; TITLE OF INVENTION: HUMAN PROTEINS HAVING HYDROPHOBIC DOMAINS AND DNAB ENCODING
; TITLE OF INVENTION: THESE PROTEINS
; FILE REFERENCE: 01997.015100.US
; CURRENT APPLICATION NUMBER: US/10/169,395
; CURRENT FILING DATE: 2002-11-29
; PRIOR APPLICATION NUMBER: JP 2000-585
; PRIOR FILING DATE: 2000-01-06
; PRIOR APPLICATION NUMBER: JP 2000-588
; PRIOR FILING DATE: 2000-01-06
; PRIOR APPLICATION NUMBER: JP 2000-2299
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: JP 2000-26862
; PRIOR FILING DATE: 2000-02-03
; PRIOR APPLICATION NUMBER: JP 2000-58367
; PRIOR FILING DATE: 2000-03-03
; PRIOR APPLICATION NUMBER: PCT/JP00/09359
; PRIOR FILING DATE: 2000-12-28
; NUMBER OF SEQ ID NOS: 150
; SEQ ID NO 92
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo sapiens
; ORGANISM: Homo sapiens
US-10-169-395-92

Query Match      100.0%; Score 1831; DB 15; Length 352;
Best Local Similarity 100.0%; Pred. No. 8.4e-163;
Matches 352; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MESGGRPSLCQFILLGTTTSVVTAAALYSVYRQKARVSQELGAKKXVHLGEDLKSLSEAPG 60
DB      1 MESGGRPSLCQFILLGTTTSVVTAAALYSVYRQKARVSQELGAKKXVHLGEDLKSLSEAPG 60

QY      61 KCPYAVIEGAVRSVKETLNSQFVENCCKGVIQRLTLQEHKQVWNRTHLWDCSKIIHOR 120
DB      61 KCPYAVIEGAVRSVKETLNSQFVENCCKGVIQRLTLQEHKQVWNRTHLWDCSKIIHOR 120

QY      121 TNPVPDLVPHEGVDVAVRVLKPLDSVDLGLTETVYEKPHPSIQSFDTDVIGHYISGERPK 180
DB      121 TNPVPDLVPHEGVDVAVRVLKPLDSVDLGLTETVYEKPHPSIQSFDTDVIGHYISGERPK 180

QY      181 GQETEMLKVGATLFGVGLVLDNNSVRLQPPKQGMYYLSSQDFDLSLLQROESSVRLW 240
DB      181 GQETEMLKVGATLFGVGLVLDNNSVRLQPPKQGMYYLSSQDFDLSLLQROESSVRLW 240

QY      241 KVLALVFGFATCATLFFILRKQYLQORLRLKQMOEFOEHEAQLLSRAKPEDRESLKS 300
DB      241 KVLALVFGFATCATLFFILRKQYLQORLRLKQMOEFOEHEAQLLSRAKPEDRESLKS 300

QY      301 ACVCLSSFKSCVFLGCHVCSCTECYRALPEPKKPCICRQAITRVIPLYS 352
DB      301 ACVCLSSFKSCVFLGCHVCSCTECYRALPEPKKPCICRQAITRVIPLYS 352

RESULT 7
US-10-617-217A-75
; Sequence 75, Application US/10617217A
; Publication No. US20040081986A1
; GENERAL INFORMATION:
; APPLICANT: MATSUDA, Akio et al.
; TITLE OF INVENTION: NF-KB ACTIVATING GENE
; FILE REFERENCE: 1254-0229P
; CURRENT APPLICATION NUMBER: US/10/617,217A
; CURRENT FILING DATE: 2003-07-11
; PRIOR APPLICATION NUMBER: JP 2000-402288
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: JP 2001-088912
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: JP 2001-254018
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/258,315
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: US 60/278,640
; PRIOR FILING DATE: 2001-03-26

; TITLE OF INVENTION: HUMAN PROTEINS HAVING HYDROPHOBIC DOMAINS AND DNAB ENCODING
; TITLE OF INVENTION: THESE PROTEINS
; FILE REFERENCE: 01997.015100.US
; CURRENT APPLICATION NUMBER: US/10/169,395
; CURRENT FILING DATE: 2002-11-29
; PRIOR APPLICATION NUMBER: JP 2000-585
; PRIOR FILING DATE: 2000-01-06
; PRIOR APPLICATION NUMBER: JP 2000-588
; PRIOR FILING DATE: 2000-01-06
; PRIOR APPLICATION NUMBER: JP 2000-2299
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: JP 2000-26862
; PRIOR FILING DATE: 2000-02-03
; PRIOR APPLICATION NUMBER: JP 2000-58367
; PRIOR FILING DATE: 2000-03-03
; PRIOR APPLICATION NUMBER: PCT/JP00/09359
; PRIOR FILING DATE: 2000-12-28
; NUMBER OF SEQ ID NOS: 150
; SEQ ID NO 92
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo sapiens
; ORGANISM: Homo sapiens
US-10-169-395-92

Query Match      100.0%; Score 1831; DB 15; Length 352;
Best Local Similarity 100.0%; Pred. No. 8.4e-163;
Matches 352; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MESGGRPSLCQFILLGTTTSVVTAAALYSVYRQKARVSQELGAKKXVHLGEDLKSLSEAPG 60
DB      1 MESGGRPSLCQFILLGTTTSVVTAAALYSVYRQKARVSQELGAKKXVHLGEDLKSLSEAPG 60

QY      61 KCPYAVIEGAVRSVKETLNSQFVENCCKGVIQRLTLQEHKQVWNRTHLWDCSKIIHOR 120
DB      61 KCPYAVIEGAVRSVKETLNSQFVENCCKGVIQRLTLQEHKQVWNRTHLWDCSKIIHOR 120

QY      121 TNPVPDLVPHEGVDVAVRVLKPLDSVDLGLTETVYEKPHPSIQSFDTDVIGHYISGERPK 180
DB      121 TNPVPDLVPHEGVDVAVRVLKPLDSVDLGLTETVYEKPHPSIQSFDTDVIGHYISGERPK 180

QY      181 GQETEMLKVGATLFGVGLVLDNNSVRLQPPKQGMYYLSSQDFDLSLLQROESSVRLW 240
DB      181 GQETEMLKVGATLFGVGLVLDNNSVRLQPPKQGMYYLSSQDFDLSLLQROESSVRLW 240

QY      241 KVLALVFGFATCATLFFILRKQYLQORLRLKQMOEFOEHEAQLLSRAKPEDRESLKS 300
DB      241 KVLALVFGFATCATLFFILRKQYLQORLRLKQMOEFOEHEAQLLSRAKPEDRESLKS 300

QY      301 ACVCLSSFKSCVFLGCHVCSCTECYRALPEPKKPCICRQAITRVIPLYS 352
DB      301 ACVCLSSFKSCVFLGCHVCSCTECYRALPEPKKPCICRQAITRVIPLYS 352

RESULT 8
US-09-764-864-801
; Sequence 801, Application US/09764864
; Patent No. US20020132753A1
; GENERAL INFORMATION:
; APPLICANT: ROSEN ET AL.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT223
; CURRENT APPLICATION NUMBER: US/09/764,864
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1792
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 801
; LENGTH: 392
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (238)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-864-801

Query Match      99.7%; Score 1826; DB 9; Length 392;
Best Local Similarity 99.7%; Pred. No. 2.9e-162;
Matches 351; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 MESGGRPSLCQFILLGTTTSVVTAAALYSVYRQKARVSQELGAKKXVHLGEDLKSLSEAPG 60
DB      41 MESGGRPSLCQFILLGTTTSVVTAAALYSVYRQKARVSQELGAKKXVHLGEDLKSLSEAPG 100

QY      61 KCPYAVIEGAVRSVKETLNSQFVENCCKGVIQRLTLQEHKQVWNRTHLWDCSKIIHOR 120
DB      101 KCPYAVIEGAVRSVKETLNSQFVENCCKGVIQRLTLQEHKQVWNRTHLWDCSKIIHOR 160
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; PRIOR APPLICATION NUMBER: US 60/314,385
; PRIOR FILING DATE: 2001-08-24
; NUMBER OF SEQ ID NOS: 224
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 75
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo sapiens
; ORGANISM: Homo sapiens
US-10-617-217A-75

Query Match      100.0%; Score 1831; DB 15; Length 352;
Best Local Similarity 100.0%; Pred. No. 8.4e-163;
Matches 352; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MESGGRPSLCQFILLGTTTSVVTAAALYSVYRQKARVSQELGAKKXVHLGEDLKSLSEAPG 60
DB      1 MESGGRPSLCQFILLGTTTSVVTAAALYSVYRQKARVSQELGAKKXVHLGEDLKSLSEAPG 60

QY      61 KCPYAVIEGAVRSVKETLNSQFVENCCKGVIQRLTLQEHKQVWNRTHLWDCSKIIHOR 120
DB      61 KCPYAVIEGAVRSVKETLNSQFVENCCKGVIQRLTLQEHKQVWNRTHLWDCSKIIHOR 120

QY      121 TNPVPDLVPHEGVDVAVRVLKPLDSVDLGLTETVYEKPHPSIQSFDTDVIGHYISGERPK 180
DB      121 TNPVPDLVPHEGVDVAVRVLKPLDSVDLGLTETVYEKPHPSIQSFDTDVIGHYISGERPK 180

QY      181 GQETEMLKVGATLFGVGLVLDNNSVRLQPPKQGMYYLSSQDFDLSLLQROESSVRLW 240
DB      181 GQETEMLKVGATLFGVGLVLDNNSVRLQPPKQGMYYLSSQDFDLSLLQROESSVRLW 240

QY      241 KVLALVFGFATCATLFFILRKQYLQORLRLKQMOEFOEHEAQLLSRAKPEDRESLKS 300
DB      241 KVLALVFGFATCATLFFILRKQYLQORLRLKQMOEFOEHEAQLLSRAKPEDRESLKS 300

QY      301 ACVCLSSFKSCVFLGCHVCSCTECYRALPEPKKPCICRQAITRVIPLYS 352
DB      301 ACVCLSSFKSCVFLGCHVCSCTECYRALPEPKKPCICRQAITRVIPLYS 352

RESULT 8
US-09-764-864-801
; Sequence 801, Application US/09764864
; Patent No. US20020132753A1
; GENERAL INFORMATION:
; APPLICANT: ROSEN ET AL.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT223
; CURRENT APPLICATION NUMBER: US/09/764,864
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1792
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 801
; LENGTH: 392
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (238)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-864-801

Query Match      99.7%; Score 1826; DB 9; Length 392;
Best Local Similarity 99.7%; Pred. No. 2.9e-162;
Matches 351; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 MESGGRPSLCQFILLGTTTSVVTAAALYSVYRQKARVSQELGAKKXVHLGEDLKSLSEAPG 60
DB      41 MESGGRPSLCQFILLGTTTSVVTAAALYSVYRQKARVSQELGAKKXVHLGEDLKSLSEAPG 100

QY      61 KCPYAVIEGAVRSVKETLNSQFVENCCKGVIQRLTLQEHKQVWNRTHLWDCSKIIHOR 120
DB      101 KCPYAVIEGAVRSVKETLNSQFVENCCKGVIQRLTLQEHKQVWNRTHLWDCSKIIHOR 160
```

QY 121 TTTVPDLVPHEDGVDVAVRLKPLDSVDLGLTETVYKPHPSIQSFTDVIHGIYSGERPK 180
 Db 161 TTTVPDLVPHEDGVDVAVRLKPLDSVDLGLTETVYKPHPSIQSFTDVIHGIYSGERPK 220
 QY 181 GQTEEMLKVGATLTGVELVLDNNSVRLQPPKQGMQYLLSSQDFDLSLQRESSVRLW 240
 Db 221 GQTEEMLKVGATLTGVELVLDNNSVRLQPPKQGMQYLLSSQDFDLSLQRESSVRLW 280
 QY 241 KYLALVFGFATCATLFFILRKQYLRQERLRLKQMEFQOEHEAQLLSRAKPEDRESLKS 300
 Db 281 KYLALVFGFATCATLFFILRKQYLRQERLRLKQMEFQOEHEAQLLSRAKPEDRESLKS 340
 QY 301 ACVCLSSFKSCVFLGCHGVCSTCYRALPEPKKPCICROAITRVIPLYS 352
 Db 341 ACVCLSSFKSCVFLGCHGVCSTCYRALPEPKKPCICROAITRVIPLYS 392

RESULT 9
 US-10-024-298A-73
 ; Sequence 73, Application US/10024298A
 ; Publication No. US20030143540A1
 ; GENERAL INFORMATION:
 ; APPLICANT: ASAH KASEI KABUSHIKI KAISHA
 ; APPLICANT: AKIO MATSUDA
 ; APPLICANT: GOICHI HONDA
 ; APPLICANT: SHUJI MURAMATSU
 ; APPLICANT: YUKIKO NAGANO
 ; TITLE OF INVENTION: NF-K B Activating Gene
 ; FILE REFERENCE: 1254-0191P
 ; CURRENT APPLICATION NUMBER: US/10/024,298A
 ; PRIOR FILING DATE: 2003-04-08
 ; PRIOR APPLICATION NUMBER: 60/314,385
 ; PRIOR FILING DATE: 2001-08-24
 ; PRIOR APPLICATION NUMBER: 60/278,641
 ; PRIOR FILING DATE: 2001-03-26
 ; PRIOR APPLICATION NUMBER: 60/258,315
 ; PRIOR FILING DATE: 2000-12-28
 ; PRIOR APPLICATION NUMBER: JP254018/2001
 ; PRIOR FILING DATE: 2001-08-24
 ; PRIOR APPLICATION NUMBER: JP008912/2001
 ; PRIOR FILING DATE: 2001-03-26
 ; PRIOR APPLICATION NUMBER: JP402288/2000
 ; PRIOR FILING DATE: 2000-12-28
 ; NUMBER OF SEQ ID NOS: 182
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 73
 ; LENGTH: 352
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-024-298A-73

Query Match 99.6%; Score 1824; DB 14; Length 352;
 Best Local Similarity 99.7%; Pred. No. 3.8e-162;
 Matches 351; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MSGGRPSLCQFILLGTTTSVTAALYSVYRQKARVSOELKGAKKVHLGEDLKSILSEAPG 60
 Db 1 MSGGRPSLCQFILLGTTTSVTAALYSVYRQKARVSOELKGAKKVHLGEDLKSILSEAPG 60
 QY 61 KCVPYAVIEGAVRSVKETLNSQFVENCCKGVIQRLTLQEHKMWNRTHLWDCSKIIHQ 120
 Db 61 KCVPYAVIEGAVRSVKETLNSQFVENCCKGVIQRLTLQEHKMWNRTHLWDCSKIIHQ 120
 QY 121 TTTVPDLVPHEDGVDVAVRLKPLDSVDLGLTETVYKPHPSIQSFTDVIHGIYSGERPK 180
 Db 121 TTTVPDLVPHEDGVDVAVRLKPLDSVDLGLTETVYKPHPSIQSFTDVIHGIYSGERPK 180
 QY 181 GQTEEMLKVGATLTGVELVLDNNSVRLQPPKQGMQYLLSSQDFDLSLQRESSVRLW 240
 Db 181 GQTEEMLKVGATLTGVELVLDNNSVRLQPPKQGMQYLLSSQDFDLSLQRESSVRLW 240
 QY 241 KYLALVFGFATCATLFFILRKQYLRQERLRLKQMEFQOEHEAQLLSRAKPEDRESLKS 300
 Db 241 KYLALVFGFATCATLFFILRKQYLRQERLRLKQMEFQOEHEAQLLSRAKPEDRESLKS 300
 QY 301 ACVCLSSFKSCVFLGCHGVCSTCYRALPEPKKPCICROAITRVIPLYS 352
 Db 301 ACVCLSSFKSCVFLGCHGVCSTCYRALPEPKKPCICROAITRVIPLYS 392

Db 241 KYLALVFGFATCATLFFILRKQYLRQERLRLKQMEFQOEHEAQLLSRAKPEDRESLKS 300
 QY 301 ACVCLSSFKSCVFLGCHGVCSTCYRALPEPKKPCICROAITRVIPLYS 352
 Db 301 ACVCLSSFKSCVFLGCHGVCSTCYRALPEPKKPCICROAITRVIPLYS 352

RESULT 10
 US-10-042-211A-73
 ; Sequence 73, Application US/10042211A
 ; Publication No. US20030170719A1
 ; GENERAL INFORMATION:
 ; APPLICANT: MATSUDA, AKIO et al.
 ; TITLE OF INVENTION: NFkB Activating Gene
 ; FILE REFERENCE: 1254-0192P
 ; CURRENT APPLICATION NUMBER: US/10/042,211A
 ; PRIOR FILING DATE: 2002-01-11
 ; PRIOR APPLICATION NUMBER: JP 2000-402288
 ; PRIOR FILING DATE: 2000-12-28
 ; PRIOR APPLICATION NUMBER: JP 2001-088912
 ; PRIOR FILING DATE: 2001-03-26
 ; PRIOR APPLICATION NUMBER: JP 2001-254018
 ; PRIOR FILING DATE: 2001-08-24
 ; PRIOR APPLICATION NUMBER: US 60/258,315
 ; PRIOR FILING DATE: 2000-12-28
 ; PRIOR APPLICATION NUMBER: US 60/278,640
 ; PRIOR FILING DATE: 2001-03-26
 ; PRIOR APPLICATION NUMBER: US 60/314,385
 ; PRIOR FILING DATE: 2001-08-24
 ; NUMBER OF SEQ ID NOS: 182
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 73
 ; LENGTH: 352
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-042-211A-73

Query Match 99.6%; Score 1824; DB 14; Length 352;
 Best Local Similarity 99.7%; Pred. No. 3.8e-162;
 Matches 351; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MSGGRPSLCQFILLGTTTSVTAALYSVYRQKARVSOELKGAKKVHLGEDLKSILSEAPG 60
 Db 1 MSGGRPSLCQFILLGTTTSVTAALYSVYRQKARVSOELKGAKKVHLGEDLKSILSEAPG 60
 QY 61 KCVPYAVIEGAVRSVKETLNSQFVENCCKGVIQRLTLQEHKMWNRTHLWDCSKIIHQ 120
 Db 61 KCVPYAVIEGAVRSVKETLNSQFVENCCKGVIQRLTLQEHKMWNRTHLWDCSKIIHQ 120
 QY 121 TTTVPDLVPHEDGVDVAVRLKPLDSVDLGLTETVYKPHPSIQSFTDVIHGIYSGERPK 180
 Db 121 TTTVPDLVPHEDGVDVAVRLKPLDSVDLGLTETVYKPHPSIQSFTDVIHGIYSGERPK 180
 QY 181 GQTEEMLKVGATLTGVELVLDNNSVRLQPPKQGMQYLLSSQDFDLSLQRESSVRLW 240
 Db 181 GQTEEMLKVGATLTGVELVLDNNSVRLQPPKQGMQYLLSSQDFDLSLQRESSVRLW 240
 QY 241 KYLALVFGFATCATLFFILRKQYLRQERLRLKQMEFQOEHEAQLLSRAKPEDRESLKS 300
 Db 241 KYLALVFGFATCATLFFILRKQYLRQERLRLKQMEFQOEHEAQLLSRAKPEDRESLKS 300
 QY 301 ACVCLSSFKSCVFLGCHGVCSTCYRALPEPKKPCICROAITRVIPLYS 352
 Db 301 ACVCLSSFKSCVFLGCHGVCSTCYRALPEPKKPCICROAITRVIPLYS 392

RESULT 11
 US-10-617-217A-73
 ; Sequence 73, Application US/10617217A
 ; Publication No. US20040081986A1
 ; GENERAL INFORMATION:
 ; APPLICANT: MATSUDA, AKIO et al.

```
;
; TITLE OF INVENTION: NF-KB ACTIVATING GENE
; FILE REFERENCE: 1254-0229P
; CURRENT APPLICATION NUMBER: US/10/617,217A
; CURRENT FILING DATE: 2003-07-11
; PRIOR APPLICATION NUMBER: JP 2000-402288
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: JP 2001-088912
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: JP 2001-254018
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/258,315
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: US 60/278,640
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 60/314,385
; PRIOR FILING DATE: 2001-08-24
; NUMBER OF SEQ ID NOS: 224
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 73
; LENGTH: 352
; TYPE: PRT
; ORGANISM: Homo sapiens
; ORGANISM: Homo sapiens
US-10-617-217A-73

Query Match          99.6%; Score 1824; DB 15; Length 352;
Best Local Similarity 99.7%; Pred. No. 3.8e-162;
Matches 351; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MESGGPRLCQFILLGTTTSVVTAAALSVYRQKARVSQELKGAKKVHLGEDLSKILSEAPG 60
   |||||
Db 1 MESGGPRLCQFILLGTTTSVVTAAALSVYRQKARVSQELKGAKKVHLGEDLSKILSEAPG 60
   |||||

QY 61 KCVPAVIEGAVRSVKETLNSQFVNCCKGVIOBLTLQEHQVWNRTHLWDCSKIIHOR 120
   |||||
Db 61 KCVPAVIEGAVRSVKETLNSQFVNCCKGVIOBLTLQEHQVWNRTHLWDCSKIIHOR 120
   |||||

QY 121 TINTVPDLVPHEDGVAVRVLPLDSVDLGLTVEYKHPHSIOSFTDVIHGYISGERPK 180
   |||||
Db 121 TINTVPDLVPHEDGVAVRVLPLDSVDLGLTVEYKHPHSIOSFTDVIHGYISGERPK 180
   |||||

QY 181 GIQTEEMLVKGATLTGVLGELVDNNSVRLQPPKQGMYYLSSQDFDSLQROESSVRLW 240
   |||||
Db 181 GIQTEEMLVKGATLTGVLGELVDNNSVRLQPPKQGMYYLSSQDFDSLQROESSVRLW 240
   |||||

QY 241 KVALVFGFATCATLFFILRKQYLQROERLRLKQMOEFOEHEAQLLSRAKPEDRESLKS 300
   |||||
Db 241 KVALVFGFATCATLFFILRKQYLQROERLRLKQMOEFOEHEAQLLSRAKPEDRESLKS 300
   |||||

QY 301 ACVVCLSSFKSCVFLECGHVCSTECYRALPEPKKPCICRQAITRVIPLVNS 352
   |||||
Db 301 ACVVCLSSFKSCVFLECGHVCSTECYRALPEPKKPCICRQAITRVIPLVNS 352
   |||||

RESULT 12
US-09-764-864-1262
; Sequence 1262, Application US/09764864
; Patent No. US20020132753A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PT223
; CURRENT APPLICATION NUMBER: US/09/764,864
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1792
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1262
; LENGTH: 174
; TYPE: PRT
; ORGANISM: Homo sapiens
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (117)
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;
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-864-1262

Query Match          49.2%; Score 901; DB 9; Length 174;
Best Local Similarity 99.4%; Pred. No. 4.7e-76;
Matches 173; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 179 PKGIQTEEMLVKGATLTGVLGELVDNNSVRLQPPKQGMYYLSSQDFDSLQROESSVVR 238
   |||||
Db 1 PKGIQTEEMLVKGATLTGVLGELVDNNSVRLQPPKQGMYYLSSQDFDSLQROESSVVR 60
   |||||

QY 239 LMKVLAIVFGFATCATLFFILRKQYLQROERLRLKQMOEFOEHEAQLLSRAKPEDRESL 298
   |||||
Db 61 LMKVLAIVFGFATCATLFFILRKQYLQROERLRLKQMOEFOEHEAQLLSRAKPEDRESL 120
   |||||

QY 299 KSACVVCLSSFKSCVFLECGHVCSTECYRALPEPKKPCICRQAITRVIPLVNS 352
   |||||
Db 121 KSACVVCLSSFKSCVFLECGHVCSTECYRALPEPKKPCICRQAITRVIPLVNS 174
   |||||

RESULT 13
US-10-264-237-2680
; Sequence 2680, Application US/10264237
; Publication No. US20040009491A1
; GENERAL INFORMATION:
; APPLICANT: Birse et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA131PI
; CURRENT APPLICATION NUMBER: US/10/264,237
; CURRENT FILING DATE: 2002-10-04
; PRIOR APPLICATION NUMBER: PCT/US01/16450
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: US 60/205,515
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 2876
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 2680
; LENGTH: 165
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (108)
; OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino acids
US-10-264-237-2680

Query Match          46.6%; Score 854; DB 15; Length 165;
Best Local Similarity 99.4%; Pred. No. 1.1e-71;
Matches 164; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 188 MLKVGAATLTGVLGELVDNNSVRLQPPKQGMYYLSSQDFDSLQROESSVRLWKVLALVF 247
   |||||
Db 1 MLKVGAATLTGVLGELVDNNSVRLQPPKQGMYYLSSQDFDSLQROESSVRLWKVLALVF 60
   |||||

QY 248 GRATCATLFFILRKQYLQROERLRLKQMOEFOEHEAQLLSRAKPEDRESLKSACVVCLS 307
   |||||
Db 61 GFATCATLFFILRKQYLQROERLRLKQMOEFOEHEAQLLSRAKPEDRESLKSACVVCLS 120
   |||||

QY 308 SPKSCVFLECGHVCSTECYRALPEPKKPCICRQAITRVIPLVNS 352
   |||||
Db 121 SPKSCVFLECGHVCSTECYRALPEPKKPCICRQAITRVIPLVNS 165
   |||||

RESULT 14
US-10-424-599-158556
; Sequence 158556, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
```


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COUNTRY: USA
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/511,485
FILING DATE: 04-AUG-1995
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Clark, Paul T.
REGISTRATION NUMBER: 30,162
REFERENCE/DOCKET NUMBER: 07540/002001
TELEPHONE: 617/542-5070
TELEFAX: 617/542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 618 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: both
MOLECULE TYPE: protein
US-08-511-485-8

Query Match 7.6%; Score 138.5; DB 2; Length 618;
Best Local Similarity 21.5%; Pred. No. 6.4e-06;
Matches 67; Conservative 50; Mismatches 119; Indels 75; Gaps 13;
QY 82 QFVENCCKGVIOQLTLOEHKMWNRTHLWDCSKIIHQTNTVPDLVPHEDGVAVRV 141
DB 343 EFVDEIOGRYPHLL--EQLLSTSDTTGENADPPIH-----FGPGSSSDAVNM 391
QY 142 LKPL--DSVDLGL-----ETVYKEPHPSIQSF---TDVIGHYISGERPKGIOE---TE 186
DB 392 NTPVVKSALEMGNFNRDLVKQTVLSKILTTGENYKTVNDIVSALLNADEKREEKEKQAE 451
QY 187 EMLKVGATLTVGVEL-----VLDN-----NSVRLQPP---KQGMYYLSSOD-PD 227
DB 452 EMASDDLIRKRNMAFQQLTCVLPILDNLKANVINKQEHDIKQTKIPLQARELID 511
QY 228 SLQROQSSVRLWKVLAVFGFATCATLFFILRKQYLOQE-----RLRKQMOEFOE 281
DB 512 TIWVGNAANAFKNCLEIDSTLYKNLFVDKNMKYIPTEDVSGLSLEQLRLQEE--- 568
QY 282 HEAQLLSRAKPEDRESLSKACVCLSSPKSCVFLSCGHVCSCTECYRALPEPKKPCICRQ 341
DB 569 -----RTCKVCMDEKVSVVFIPIGHLVVCQEC---APSLRKPCICRG 607
QY 342 AITRVIPLYS 352
DB 608 IIKGTVRTFLS 618

RESULT 13
US-09-212-971-8
Sequence 8, Application US/09212971B
Patent No. 6107041
GENERAL INFORMATION:
APPLICANT: Korneluk, Robert G
APPLICANT: Mackenzie, Alexander E
APPLICANT: Liston, Peter
APPLICANT: Baird, Stephen
APPLICANT: Teang, Benjamin K
APPLICANT: Pratt, Christine
TITLE OF INVENTION: DETECTION AND MODULATION OF IAPS AND
TITLE OF INVENTION: NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATIVE
FILE REFERENCE: 07891/009002
CURRENT APPLICATION NUMBER: US/09/212,971B

CURRENT FILING DATE: 1998-12-16
EARLIER APPLICATION NUMBER: 60/017,354
EARLIER FILING DATE: 1996-04-26
EARLIER APPLICATION NUMBER: 60/030,590
EARLIER FILING DATE: 1996-11-14
EARLIER APPLICATION NUMBER: 08/800,929
EARLIER FILING DATE: 1997-02-13
NUMBER OF SEQ ID NOS: 17
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 8
LENGTH: 618
TYPE: PRT
ORGANISM: Homo sapiens
US-09-212-971-8

Query Match 7.6%; Score 138.5; DB 3; Length 618;
Best Local Similarity 21.5%; Pred. No. 6.4e-06;
Matches 67; Conservative 50; Mismatches 119; Indels 75; Gaps 13;
QY 82 QFVENCCKGVIOQLTLOEHKMWNRTHLWDCSKIIHQTNTVPDLVPHEDGVAVRV 141
DB 343 EFVDEIOGRYPHLL--EQLLSTSDTTGENADPPIH-----FGPGSSSDAVNM 391
QY 142 LKPL--DSVDLGL-----ETVYKEPHPSIQSF---TDVIGHYISGERPKGIOE---TE 186
DB 392 NTPVVKSALEMGNFNRDLVKQTVLSKILTTGENYKTVNDIVSALLNADEKREEKEKQAE 451
QY 187 EMLKVGATLTVGVEL-----VLDN-----NSVRLQPP---KQGMYYLSSOD-PD 227
DB 452 EMASDDLIRKRNMAFQQLTCVLPILDNLKANVINKQEHDIKQTKIPLQARELID 511
QY 228 SLQROQSSVRLWKVLAVFGFATCATLFFILRKQYLOQE-----RLRKQMOEFOE 281
DB 512 TIWVGNAANAFKNCLEIDSTLYKNLFVDKNMKYIPTEDVSGLSLEQLRLQEE--- 568
QY 282 HEAQLLSRAKPEDRESLSKACVCLSSPKSCVFLSCGHVCSCTECYRALPEPKKPCICRQ 341
DB 569 -----RTCKVCMDEKVSVVFIPIGHLVVCQEC---APSLRKPCICRG 607
QY 342 AITRVIPLYS 352
DB 608 IIKGTVRTFLS 618

RESULT 14
US-08-800-929A-8
Sequence 8, Application US/08800929A
Patent No. 6133437
GENERAL INFORMATION:
APPLICANT: Korneluk, Robert G
APPLICANT: Mackenzie, Alexander E
APPLICANT: Liston, Peter
APPLICANT: Baird, Stephen
APPLICANT: Teang, Benjamin K
APPLICANT: Pratt, Christine
TITLE OF INVENTION: DETECTION AND MODULATION OF
TITLE OF INVENTION: IAPS AND NAIP FOR THE DIAGNOSIS AND TREATMENT OF PROLIFERATI
TITLE OF INVENTION: DISEASE
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Clark & Elbing LLP
STREET: 176 Federal Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/800,929A

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, ZIP: 94111
, COMPUTER READABLE FORM:
, MEDIUM TYPE: Floppy disk
, COMPUTER: IBM PC compatible
, OPERATING SYSTEM: PC-DOS/MS-DOS
, SOFTWARE: PatentIn Release #1.0, Version #1.30
, CURRENT APPLICATION DATA:
, APPLICATION NUMBER: US/09/689,366
, FILING DATE: 10-Dec-2000
, CLASSIFICATION: 514
, PRIOR APPLICATION DATA:
, APPLICATION NUMBER: US/08/569,749
, FILING DATE: 08-Dec-1995
, ATTORNEY/AGENT INFORMATION:
, NAME: Brezner, David J.
, REGISTRATION NUMBER: 24,774
, REFERENCE/DOCKET NUMBER: A-62464/DJB
, TELECOMMUNICATION INFORMATION:
, TELEPHONE: (415) 781-1989
, TELEFAX: (415) 398-3249
, INFORMATION FOR SEQ ID NO: 2:
, SEQUENCE CHARACTERISTICS:
, LENGTH: 618 amino acids
, TYPE: amino acid
, STRANDEDNESS: single
, TOPOLOGY: linear
, MOLECULE TYPE: protein
, SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-689-366-2

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RESULT 11
PCT-US96-12860-2
; Sequence 2, Application PC/TUS9612860
; GENERAL INFORMATION:
; APPLICANT: TULARIK, INC.
; TITLE OF INVENTION: INHIBITORS OF APOPTOSIS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSES: FLEHR, HOEBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; City: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111

[illegible]

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Best Local Similarity 31.5%; Pred. No. 2.3e-07;
Matches 34; Conservative 18; Mismatches 34; Indels 22; Gaps 3;
QY 264 LQERLRKQKQREFOEH-----EAQLLSRAK-----PEDRESLKSACVV 304
DB 311 LKDLGLTVKQLKEVLMHRVDYKCCCKEQLLDVRSRLWKTWRECPAVEKLATDELCKI 370

QY 305 CLSFPKSCVFLGCHVCSCTECYRALPEPKKPCICRQAITRVIPLVNS 352
DB 371 CMDAPICVFLGCHVCSCTECYRALPEPKKPCICRQAITRVIPLVNS 415

RESULT 7
PCT-US95-05922A-2
; Sequence 2, Application PC/TUS9505922A
; GENERAL INFORMATION:
; APPLICANT: HE, ET AL.
; TITLE OF INVENTION: Human Inhibitor of Apoptosis Gene 1
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/05922A
; FILING DATE: 11 MAY 1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: FERRARO, GREGORY D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-292
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 438 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
PCT-US95-05922A-2

Query Match 7.9%; Score 144.5; DB 5; Length 438;
Best Local Similarity 21.9%; Pred. No. 8e-07;
Matches 68; Conservative 50; Mismatches 118; Indels 75; Gaps 13;
QY 82 QFVNCGVITQRLQEHKAVNFTTHLWDCSKIIHQTWTVPPDLVPHEDGVDAVRV 141
DB 163 EFVDEIQRYPHLL--EQLLSTDTGTEENADPLIH-----FGGSSSSDAVVM 211
QY 142 LKPL--DSVDLGL-----ETVYKHFPSIQSF---TDVIGHYISGERPKGIQE---TE 186
DB 212 NTPVKSALMGFNRDLVKQIVQSKILTTGENYKTVNDIVSALLNAEDKEEKEKQAE 271
QY 187 EMLKVGATLTGVBEL-----VLDN-----NSVRLQPP---KQHQYTLSSQD--PD 227
DB 272 EWSDDLIRKRNWALFQQLTCVLPILDNLKANVINKQBHDIKQTKQIPLOARELID 331
QY 228 SLLQRESSVRLMKVALVFGFATCATLFFILRKQYLQRE-----RLRLKQMOREFOE 281

SEQ ID NO 2
; LENGTH: 723
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-434-408-2

Query Match 8.5%; Score 155.5; DB 4; Length 723;
Best Local Similarity 34.3%; Pred. No. 1.1e-07;
Matches 37; Conservative 16; Mismatches 38; Indels 17; Gaps 3;
QY 259 LRQYQLOR--QERLRKQKQREFOEH-----QEHEAQLLSRAKPEDRESLKSACVV 304
DB 618 LOHEILRVQELDLAAIQELKPEGMGEVTPAPQPPESVRPSAPPASLEVQASECV 677

QY 305 CLSFPKSCVFLGCHVCSCTECYRALPEPKKPCICRQAITRVIPLVNS 352
DB 678 CLREQAQIFLNGCHVCCQCCQPL---RTCLCRQDIAQRLNIYS 722

RESULT 5
US-09-270-767-58582
; Sequence 58582, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 58582
; LENGTH: 350
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-58582

Query Match 8.2%; Score 151; DB 4; Length 350;
Best Local Similarity 31.5%; Pred. No. 1.1e-07;
Matches 34; Conservative 18; Mismatches 34; Indels 22; Gaps 3;
QY 264 LQERLRKQKQREFOEH-----EAQLLSRAK-----PEDRESLKSACVV 304
DB 102 LKDLGLTVKQLKEVLMHRVDYKCCCKEQLLDVRSRLWKTWRECPAVEKLATDELCKI 161
QY 305 CLSFPKSCVFLGCHVCSCTECYRALPEPKKPCICRQAITRVIPLVNS 352
DB 162 CMDAPICVFLGCHVCSCTECYRALPEPKKPCICRQAITRVIPLVNS 415

RESULT 6
US-09-270-767-43239
; Sequence 43239, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 43239
; LENGTH: 559
; TYPE: PRT
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-43239
Query Match 8.2%; Score 151; DB 4; Length 559;

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